

File 348:EUROPEAN PATENTS 1978-2004/Aug W05
 (c) 2004 European Patent Office
 File 349:PCT FULLTEXT 1979-2002/UB=20040902,UT=20040826
 (c) 2004 WIPO/Univentio
 File 331:Derwent WPI First View UD=200453
 (c) 2004 Thomson Derwent
 File 371:French Patents 1961-2002/BOPI 200209
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Set	Items	Description
S1	366041	PROGRAMMABLE() (DEVICE? OR APPARATUS? OR EQUIPMENT) OR COMPUTER OR COMPUTERS OR PERSONAL() COMPUTER? OR PC OR PDA OR PERSONAL() DIGITAL() ASSISTANT? OR BLACKBERRY OR PALM() TOP? OR PALM-TOP?
S2	65109	S1(5N) (SOFTWARE OR HARDWARE)
S3	47885	S1(5N) (FUNCTION OR FUNCTIONS OR APPLICATION? OR APP OR APP-S)
S4	69676	(SELECT? OR DESIGNAT? OR DEFINED OR SPECIFI?) (5N) (ACTIVAT? OR TRIGGER? OR EXECUT? OR LAUNCH?)
S5	15847	SMARTCARD? OR CHIPCARD? OR (SMART OR CHIP) () (CARD OR CARDS) OR ELECTRONIC() APPLIANCE?
S6	49376	TIMER OR TIMERS
S7	627	DEBIT?() (ACCOUNT OR ACCOUNTS OR USER OR USERS)
S8	2	AU=(CLEWITS, R? OR CLEWITS R?)
S9	93236	S2 OR S3
S10	1553	S9(S)S4
S11	31	S10(S)S5
S12	23	S11 AND IC=G06F
S13	39	S10(S)S6
S14	35	S13 NOT S12
S15	16	S14 AND IC=G06F
S16	4	S10(S)S7
S17	1	S16 NOT (S12 OR S15)
S18	0	S8(S)S1

N. A.

File 625:American Banker Publications 1981-2004/Sep 08
(c) 2004 American Banker
File 268:Banking Info Source 1981-2004/Aug W3
(c) 2004 ProQuest Info&Learning
File 626:Bond Buyer Full Text 1981-2004/Sep 08
(c) 2004 Bond Buyer
File 267:Finance & Banking Newsletters 2004/Sep 07
(c) 2004 The Dialog Corp.
File 16:Gale Group PROMT(R) 1990-2004/Sep 08
(c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Sep 07
(c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Sep 08
(c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Sep 07
(c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Sep 08
(c) 2004 The Gale Group
File 9:Business & Industry(R) Jul/1994-2004/Sep 07
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Sep 08
(c) 2004 ProQuest Info&Learning
File 20:Dialog Global Reporter 1997-2004/Sep 08
(c) 2004 The Dialog Corp.
File 95:TEME-Technology & Management 1989-2004/Jun W1
(c) 2004 FIZ TECHNIK
File 476:Financial Times Fulltext 1982-2004/Sep 08
(c) 2004 Financial Times Ltd
File 610:Business Wire 1999-2004/Sep 08
(c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/Sep 08
(c) 2004 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2004/Sep 07
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Sep 07
(c) 2004 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	10795950	PROGRAMMABLE() (DEVICE? OR APPARATUS? OR EQUIPMENT) OR COMPUTER OR COMPUTERS OR PERSONAL()COMPUTER? OR PC OR PDA OR PERSONAL()DIGITAL()ASSISTANT? OR BLACKBERRY OR PALM()TOP? OR PALM-TOP?
S2	2634816	S1(5N) (SOFTWARE OR HARDWARE)
S3	417869	S1(5N) (FUNCTION OR FUNCTIONS OR APPLICATION? OR APP OR APP-S)
S4	173931	(SELECT? OR DESIGNAT? OR DEFINED OR SPECIFI?) (5N) (ACTIVAT? OR TRIGGER? OR EXECUT? OR LAUNCH?)
S5	188023	SMARTCARD? OR CHIPCARD? OR (SMART OR CHIP) () (CARD OR CARDS) OR ELECTRONIC()APPLIANCE?
S6	120413	TIMER OR TIMERS
S7	2003	DEBIT?() (ACCOUNT OR ACCOUNTS OR USER OR USERS)
S8	0	AU=(CLEWITS, R? OR CLEWITS R?)
S9	2895918	S2 OR S3
S10	882	S9(S)S4
S11	11	S10(S) (S5 OR S6 OR S7 OR DEBIT?)

S12	8	S11 NOT PY>1999
S13	7	RD (unique items)

fully reviewed for pertinence to allowed claims
8/10/04

File 256:TecInfoSource 82-2004/Jul
 (c)2004 Info.Sources Inc
 File 2:INSPEC 1969-2004/Aug W5
 (c) 2004 Institution of Electrical Engineers
 File 35:Dissertation Abs Online 1861-2004/Aug
 (c) 2004 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2004/Sep W1
 (c) 2004 BLDSC all rts. reserv.
 File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jul
 (c) 2004 The HW Wilson Co.
 File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
 (c) 2003 EBSCO Pub.
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 File 474:New York Times Abs 1969-2004/Sep 07
 (c) 2004 The New York Times
 File 475:Wall Street Journal Abs 1973-2004/Sep 07
 (c) 2004 The New York Times
 File 139:EconLit 1969-2004/Aug
 (c) 2004 American Economic Association
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Set	Items	Description
S1	1591985	PROGRAMMABLE() (DEVICE? OR APPARATUS? OR EQUIPMENT) OR COMPUTER OR COMPUTERS OR PERSONAL()COMPUTER? OR PC OR PDA OR PERSONAL()DIGITAL()ASSISTANT? OR BLACKBERRY OR PALM()TOP? OR PALM-TOP?
S2	193722	S1(5N) (SOFTWARE OR HARDWARE)
S3	78784	S1(5N) (FUNCTION OR FUNCTIONS OR APPLICATION? OR APP OR APPS)
S4	14277	(SELECT? OR DESIGNAT? OR DEFINED OR SPECIFI?) (5N) (ACTIVAT? OR TRIGGER? OR EXECUT? OR LAUNCH?)
S5	11524	SMARTCARD? OR CHIPCARD? OR (SMART OR CHIP) () (CARD OR CARDS) OR ELECTRONIC()APPLIANCE?
S6	7375	TIMER OR TIMERS
S7	32	DEBIT?() (ACCOUNT OR ACCOUNTS OR USER OR USERS)
S8	0	AU=(CLEWITS, R? OR CLEWITS R?)
S9	266196	S2 OR S3
S10	313	S9 AND S4
S11	1	S10 AND S5
S12	1	S10 AND S6
S13	1	S12 NOT S11
S14	0	S10 AND S7
S15	1	S10 AND DEBIT?
S16	1	S15 NOT (S11 OR S13)
S17	0	S8 AND S1

N/A

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/May(Updated 040903)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200457
(c) 2004 Thomson Derwent

Set	Items	Description
S1	795227	PROGRAMMABLE() (DEVICE? OR APPARATUS? OR EQUIPMENT) OR COMP- UTER OR COMPUTERS OR PERSONAL()COMPUTER? OR PC OR PDA OR PERS- ONAL()DIGITAL()ASSISTANT? OR BLACKBERRY OR PALM()TOP? OR PALM- TOP?
S2	15294	S1(5N) (SOFTWARE OR HARDWARE)
S3	196414	S1(5N) (FUNCTION OR FUNCTIONS OR APPLICATION? OR APP OR APP- S)
S4	46018	(SELECT? OR DESIGNAT? OR DEFINED OR SPECIFI?) (5N) (ACTIVAT? OR TRIGGER? OR EXECUT? OR LAUNCH?)
S5	11692	SMARTCARD? OR CHIPCARD? OR (SMART OR CHIP) () (CARD OR CARDS) OR ELECTRONIC()APPLIANCE?
S6	99538	TIMER OR TIMERS
S7	84	DEBIT?() (ACCOUNT OR ACCOUNTS OR USER OR USERS)
S8	1	AU=(CLEWITS, R? OR CLEWITS R?)
S9	209594	S2 OR S3
S10	3519	S9 AND S4
S11	6	S10 AND S5
S12	43	S10 AND S6
S13	42	S12 NOT S11
S14	40	S13 AND IC=G06F
S15	0	S10 AND S7
S16	1	S10 AND DEBIT?
S17	1	S8 AND S1

reviewed option 3 text paragraphs

PUB. NO.: 05-204859 [JP 5204859 A]
PUBLISHED: August 13, 1993 (19930813)
INVENTOR(s): YANAGISAWA KATSUTOSHI
APPLICANT(s): SHIKOKU NIPPON DENKI SOFTWARE KK [000000] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.: 04-010460 [JP 9210460]
FILED: January 24, 1992 (19920124)
INTL CLASS: [5] G06F-015/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1649, Vol. 17, No. 634, Pg. 119,
November 24, 1993 (19931124)

ABSTRACT

PURPOSE: To obtain an execution result expected by a user by storing a command in which time to execute by the user using the command is **designated** in an **execution** format command group storage file.

CONSTITUTION: A command image is stored in a command group storage file 8, and command registration, command edit, and command deletion on the command group storage file 8 are performed by a command registration/edit/ deletion means 3. The command generated in the command group storage file 8 is extracted by a command extraction means 4, and is stored in the execution format command group storage file 9. and the command of command image to be actually executed and stored in the execution format command group storage file 9 is executed by an execution format command execution means 5. In such a case. the execution format command execution means 5 is provided with a **timer** 7, and **executes** the command by **designating** the time and reserving the **execution** time of the command in the execution format command group storage file 9.

14/5/12 (Item 12 from file: 347)

DIALOG(R)File 347:JAPIO
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04151490 **Image available**
REAL TIME OUTPUT PORT

PUB. NO.: 05-143190 [JP 5143190 A]
PUBLISHED: June 11, 1993 (19930611)
INVENTOR(s): SHIMIZU SACHIIRO
TASHIRO SATORU
HARADA TAKASHI
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 03-329551 [JP 91329551]
FILED: November 18, 1991 (19911118)
INTL CLASS: [5] G06F-001/14 ; G06F-015/78
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other); 45.4 (INFORMATION
PROCESSING -- Computer Applications)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)
JOURNAL: Section: P, Section No. 1618, Vol. 17, No. 529, Pg. 90,
September 22, 1993 (19930922)

ABSTRACT

PURPOSE: To improve control accuracy and to easily form a program by making it possible to control a **timer** by a program and controlling the **timer** by an external control trigger.

CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
 KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
 RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
 AU 200135280 A H04L-009/06 Based on patent WO 200161915
 EP 1256202 A2 E H04L-009/06 Based on patent WO 200161915
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI TR
 US 20040025032 A1 G06F-012/14

Abstract (Basic): WO 200161915 A2

NOVELTY - Method consists in generating a random value and altering the observable operation of the cryptographic algorithm while processing the input data, according to the random value, frustrating correlation of output power emissions with any meaningful internal processing. Alteration is by randomly **selecting** between normal and bit-inverted **execution** paths, so balancing high and low Hamming weights and transitions, or creating a complementary bit-inverted argument with random selection to moderate or eliminate statistically average differentiation.

DETAILED DESCRIPTION - Method also uses alteration by permutating the order of execution of software instructions, desynchronizing the relationship between software code execution and the timeline and averaging power signature events for predicted bits. or time shifting executable code. Calculation is of a random hash sequence. There are INDEPENDENT CLAIMS for (1) a message processor using a cryptographic algorithm, (2) a computer program.

USE - Method is for **computer software and hardware** and particularly resistance to power analysis of **smart cards**.

ADVANTAGE - Method reduces the amount of information leaked to attackers without resulting in excessive overheads.

DESCRIPTION OF DRAWING(S) - The figure shows a flow chart of the method.

pp; 41 DwgNo 3/10

Title Terms: METHOD; PROCESS; MESSAGE; RESIST; EXTERNAL; DETECT; RANDOM; INVERT; SENSE; CONTIGUOUS; SEQUENCE; ARGUMENT; NEUTRAL; AVERAGE; POWER; SIGNATURE

Derwent Class: T01; T04; W01

International Patent Class (Main): G06F-012/14; H04L-009/06

File Segment: EPI

11/5/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011916661 **Image available**

WPI Acc No: 1998-333571/199829

XRPX Acc No: N98-260329

Selective activation unit for programmable device hardware - software functions - has timer or automatic payment machine coupled to programming device and reader operating with data carrier

Patent Assignee: CLEWITS BEHEER BV R (CLEW-N); IPC GROUP BV (IPCI-N)

Inventor: CLEWITS R

Number of Countries: 080 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9825238	A1	19980611	WO 97NL660	A	19971202	199829 B
NL 1004658	C2	19980603	NL 961004658	A	19961202	199835
AU 9854167	A	19980629	AU 9854167	A	19971202	199845

CONSTITUTION: The **timer** 1 is driven or stopped in accordance with the status of a count source stop bit. A port 6 outputs data at the overflow timing of the **timer** 1. A control circuit 80 can control the **timer** 1 based upon a **timer** stop bit and a **trigger** source **selecting** bit. The circuit 80 can **select** one of two kinds of **trigger** sources consisting of an inner trigger controlled by software and an external trigger controlled by an external input signal based upon the selection bit. The circuit 80 can set up the stop bit to an operation mode by any trigger source out of these trigger sources. Since a highly accurate real time output wave can easily be generated, control accuracy can be improved and the program can easily be formed.

14/5/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

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04044192 **Image available**

MICROCOMPUTER

PUB. NO.: 05-035892 [JP 5035892 A]

PUBLISHED: February 12, 1993 (19930212)

INVENTOR(s): MAEDA TATSUYA

APPLICANT(s): NEC IC MICROCOMPUT SYST LTD [470861] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-153640 [JP 91153640]

FILED: June 26, 1991 (19910626)

INTL CLASS: [5] G06F-015/78 ; G06F-001/24 ; G06F-011/30

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- **Computer Applications**);

45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);

45.9 (INFORMATION PROCESSING -- Other

JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

JOURNAL: Section: P, Section No. 1560, Vol. 17, No. 326, Pg. 144, June 21, 1993 (19930621)

ABSTRACT

PURPOSE: To make a program effective by performing resetting operation without inserting any extra instruction into the program.

CONSTITUTION: The instruction in an **execution** address **specified** by the program counter 3 of a CPU 1 is sent from a program memory 4, decoded by an instruction decoder 2 and executed by the CPU 1. At this time, the value of a setting circuit 7 where the specific value is set previously is compared with the value of the program counter 3 by a comparing circuit 6 and when the comparison result indicates an equality, it is judged that the microcomputer is in normal operation, so that the normal microcomputer is reset through a **timer** 5. When the microcomputer malfunctions and the value set in the setting circuit 7 does not equal to the value of the program counter 3 within the operation time of the **timer** 5, on the other hand, the malfunction of the microcomputer is judged and the **timer** 5 operates to send a specific signal to the CPU 1, thereby initializing the microcomputer.

14/5/14 (Item 14 from file: 347)

DIALOG(R)File 347:JAPIO

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a **trigger** and a **timer** 42, which is provided in an arbitrating circuit 22-1, is activated. Then, the count-up signal of the **timer** 42 is inputted as a signal to cancel the standby condition to the first CPU1 and CPU1 is returned to normal. Since the count-up time of the **timer** 42 is caused to be smaller than the generating time of the first DMA requesting signal and the first DMA requesting signal is still generated even when the first CPU1 is returned to normal operation, the first CPU1 can be responds to the response request of the first DMA requesting signal.

14/5/28 (Item 28 from file: 347)

DIALOG(R)File 347:JAPIO

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02987374 **Image available**

DOCUMENT DISPLAY DEVICE

PUB. NO.: 01-284974 [JP 1284974 A]

PUBLISHED: November 16, 1989 (19891116)

INVENTOR(s): ONUMA SHOJI

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 63-113506 [JP 88113506]

FILED: May 12, 1988 (19880512)

INTL CLASS: [4] G06F-015/40

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

JOURNAL: Section: P, Section No. 1001, Vol. 14, No. 61, Pg. 88, February 05, 1990 (19900205)

ABSTRACT

PURPOSE: To easily designate a page, which is before or after several pages, only by selecting a page designating mode with the pointing device of a mouse and continuously repeating the input of a click by this pointing device only for a desired page number.

CONSTITUTION: When a screen image shown in a figure is displayed and a mouse 3 is moved, a mouse cursor 34 is moved on this screen is correspondence to moving quantity. When the mouse cursor 34 is moved to the 'page designation' column of a page designating icon 32 and a button 4a is clicked, a register 6 is set. When the 'page designation' is recognized, a microprocessor 1 **activates** a **timer** 11 of a prescribed time (tc). This **timer** 11 is a **timer** which is re-activated with the time tc again when an input is given in the prescribed time (tc). Then, a counting time is continuously prolonged as long as the input is continued.

14/5/29 (Item 29 from file: 347)

DIALOG(R)File 347:JAPIO

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02547012 **Image available**

MICROCOMPUTER SYSTEM

PUB. NO.: 63-163912 [JP 63163912 A]

PUBLISHED: July 07, 1988 (19880707)

INVENTOR(s): WATANABE MINORU

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)